

DPM 1150 APR 11 1978

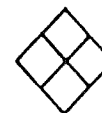
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NORTON

LM-1689 Rev. 9/77

DIVISION MD	PLANT Worcester, Mass. 01606
DEPARTMENT Product Engineering	DATE March 24, 1978
NAME PERSON COMPLETING FORM Henry B. Rand	ABOVE FOR NORTON COMPANY USE ONLY

HAZARD RATING



MATERIAL SAFETY DATA SHEET

Name of person completing form if completed by supplier _____

Date _____

SECTION I	
MANUFACTURERS NAME Norton Company	EMERGENCY TELEPHONE NO. (617) 853-1000
ADDRESS (Street, City, State, and ZIP Code) 1 New Bond Street, Worcester, Mass. 01606	
CHEMICAL NAME AND SYNONYMS Aluminum Oxide	TRADE NAME Alundum
CHEMICAL FAMILY Oxide Abrasive	FORMULA Al ₂ O ₃
CAS REGISTRY NO. 1344-28-1	IS MATERIAL REGULATED BY: EPA <input type="checkbox"/> OSHA <input type="checkbox"/> DOT <input type="checkbox"/> OTHER (Specify) None
OSHA OR DOT REQUIRED LABELING: None	

SECTION II COMPOSITION							
COMPOSITION	%	TOXIC OR HAZARDOUS YES NO	TLV or EQUIV. - TYPE OF HAZARD				
			ORAL	DERMAL	INHALATION	OTHER	
MAJOR COMPONENT Aluminum Oxide	95.27%						
MAJOR COMPONENT Titania	2.67%						
MAJOR COMPONENT Silica	1.05%						
PIGMENT NA							
CATALYST NA							
VEHICLE NA							
SOLVENTS NA							
ADDITIVES NA							
OTHERS * The 1.05% Silica (SiO ₂) is present as chemically combined silica and not as free silica. The TLV for this silica level is 41 MPPCF which is calculated from OSHA Table G-3 for mineral dust.							

NA = Not Applicable

SECTION III PHYSICAL DATA		
BOILING POINT > 3450 °F 1900 °C	MELTING POINT 3450 °F 1900 °C	SPECIFIC GRAVITY (H ₂ O=1) 3.95 gm/cc
VAPOR PRESSURE (mmHg) NA	PERCENT VOLATILE BY VOLUME NA	VAPOR DENSITY (Air=1) NA
EVAPORATION RATE (_____ =1) NA	SOLUBILITY IN WATER (g/100 cc) Negligible	SOLUBILITY IN ALCOHOL (g/100 ml) Nil
SOLUBILITY IN OTHER SOLVENT	APPEARANCE AND ODOR Granular, light brown, no odor	

SECTION IV FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT (Method Used) NA	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA			
SPECIAL FIRE FIGHTING PROCEDURES Will not burn			
UNUSUAL FIRE AND EXPLOSION HAZARDS			